PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHOR	RITY		
To: IRVING N. FEIT HOFFMANN & BARON, LLP 6900 JERICHO TURNPIKE SYOSSET, NY 11791		WR	PCT ITTEN OPINION OF THE
31035E1, N1 11791		INTERNATI	ONAL SEARCHING AUTHORITY
			(PCT Rule 43bis.1)
		Date of mailing (day/month/year)	31 AUG 2006
Applicant's or agent's file reference		FOR FURTHER	ACTION See paragraph 2 below
1038-12 PCT International application No.	nternational filing date	 (day/month/year)	Priority date (day/month/year)
''	22 March 2005 (22.03.2		22 March 2004 (22.03.2004)
International Patent Classification (IPC) or			
IPC: H01L 31/0224(2006.01);H01L 3 USPC: 250/214.1,214R;257/184,189,44			
Applicant	2 (11,110,115,15)		
RESEARCH FOUNDATION OF THE CIT	TY UNIVERSITY OF	NEW	
1. This opinion contains indications relations	ng to the following item	ns:	
Box No. I Basis of the op	pinion		
Box No. II Priority			
Box No. III Non-establishr	ment of opinion with re	gard to novelty, inve	ntive step and industrial applicability
Box No. IV Lack of unity	of invention		
· —	ement under Rule 43 <i>bis</i> citations and explanation		o novelty, inventive step or industrial atement
Box No. VI Certain docum	nents cited		
Box No. VII Certain defects	s in the international app	plication	
Box No. VIII Certain observ	rations on the internation	nal application	
2. FURTHER ACTION			
International Preliminary Examining A	Authority ("IPEA") ex IPEA and the chosen I	cept that this does PEA has notified the	be considered to be a written opinion of the not apply where the applicant chooses an e International Bureau under Rule 66.1bis(b) ered.
If this opinion is, as provided above, con IPEA a written reply together, where mailing of Form PCT/ISA/220 or befor For further options, see Form PCT/ISA	appropriate, with ame re the expiration of 22 n	endments, before the	EA, the applicant is invited to submit to the expiration of 3 months from the date of rity date, whichever expires later.
•			
3. For further details, see notes to Form P			
Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US	Date of complet opinion	ion of this	Authorized officer Paracian for freeze
Commissioner for Patents P.O. Box 1450	08 July 2006 (08	3.07.2006)	Stephone B. Allen
Alexandria, Virginia 22313-1450	ł	i	Telephone No. 571-272-2434

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)



WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US05/09383	

Box No	o. I Basis of this opinion
1. With	regard to the language, this opinion has been established on the basis of:
\boxtimes	the international application in the language in which it was filed
	a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With claim	regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the ed invention, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	on paper
	in electronic form
c.	time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in electronic form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additi	onal comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/09383

Statement			
Novelty (N)	Claims	1-31	YI
Novelty (N)		NONE	
	Ciaiiiis	NONE	1
Inventive step (IS)	Claims	1-31	YI
• • •	Claims	NONE	N
Industrial applicability (IA)	Claims	1-31	YI
industrial applicability (1A)		NONE	
ng a component of momentum oriented substan	miany perpendic	uiai to a detector surface.	

Form PCT/ISA/237 (Box No. V) (April 2005)